

Title (en)
IMAGING APPARATUS AND IMAGING METHOD

Title (de)
BILDGEBUNGSVORRICHTUNG UND ABBILDUNGSVERFAHREN

Title (fr)
APPAREIL ET PROCÉDÉ D'IMAGERIE

Publication
EP 2186345 A1 20100519 (EN)

Application
EP 08830394 A 20080912

Priority

- JP 2008066916 W 20080912
- JP 2007240038 A 20070914
- JP 2007288714 A 20071106
- JP 2008165908 A 20080625

Abstract (en)
[origin: WO2009035148A1] An imaging apparatus and an imaging method which can obtain an image in which a dynamic range is expanded at one shooting are provided. In a case where a pixel output of a pixel where a specific color separation filter is placed is equal to or more than a predetermined saturation level, based on a pixel output of a pixel which is placed in the vicinity of the pixel where the specific color separation filter is placed, a pixel output for brightness, where the pixel output becomes equal to or more than the predetermined saturation level, of the pixel where the color separation filter of the specific color is placed and the pixel output is equal to or more than the predetermined saturation level is compensated, and thereby a dynamic range of an image sensor is expanded.

IPC 8 full level
H04N 23/12 (2023.01); **H04N 23/40** (2023.01); **H04N 23/75** (2023.01)

CPC (source: EP US)
G06T 5/73 (2024.01 - EP US); **H04N 23/62** (2023.01 - EP US); **H04N 23/667** (2023.01 - EP US); **H04N 23/71** (2023.01 - EP US); **H04N 23/741** (2023.01 - EP US); **H04N 23/75** (2023.01 - EP US); **H04N 23/84** (2023.01 - EP US); **H04N 25/134** (2023.01 - EP US); **H04N 25/57** (2023.01 - EP US); **G06T 2207/20192** (2013.01 - EP US); **H04N 2101/00** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009035148 A1 20090319; CN 101766032 A 20100630; CN 101766032 B 20120613; EP 2186345 A1 20100519; EP 2186345 A4 20150819; EP 2186345 B1 20190417; US 2011001841 A1 20110106; US 8269852 B2 20120918

DOCDB simple family (application)
JP 2008066916 W 20080912; CN 200880101165 A 20080912; EP 08830394 A 20080912; US 66797408 A 20080912